

|     |      |   |   |   |   |   |   |   |   |   |
|-----|------|---|---|---|---|---|---|---|---|---|
| Hum | AChE | K Q D R C S D L *                                     | - | - | - | - | - | - | - | - |
| Rab | AChE | K Q D R C S D L *                                     | - | - | - | - | - | - | - | - |
| Mus | AChE | K Q E R C S D L *                                     | - | - | - | - | - | - | - | - |
| Rat | AChE | K Q E R C S D L *                                     | - | - | - | - | - | - | - | - |
| Bov | AChE | K Q D R C S D L *                                     | - | - | - | - | - | - | - | - |
| Hum | BChE | K K E S C V G L *                                     | - | - | - | - | - | - | - | - |
| Rab | BChE | K K E R C A G F *                                     | - | - | - | - | - | - | - | - |
| Mus | BChE | K K E S C T A L *                                     | - | - | - | - | - | - | - | - |
| Hum | Amyl | N K G A I I G L M V G G V I A T V I V I T L V M L K K | - | - | - | - | - | - | - | - |

HumachE = Human AChE; Rabache = rabbit AChE; Musache = mouse AChE; Ratache = rat AChE; Bovache = bovine AChE; Humbche = human BuChE; Rabbche = rabbit BuChE; Musbche = mouse BuChE; Hum Amyl = human A4 amyloid precursor p

Residues in bold are conserved across all sequences; boxed residues are shared by all AChEs and A4, but by none of the BuChEs  
The amyloid peptide 1-42 is shown as a light grey box  
The bar above the alignment shows the position of the AChE and BuChE synthetic peptides; the bar below the alignment the synthetic APP peptide